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March 7 & 8



# ENGINEERING OPEN HOUSE

MARCH 7, 2-8 P.M.; MARCH 8, 9 A.M.-3 P.M.  
UNIVERSITY OF ILLINOIS, URBANA CAMPUS

## EXHIBITS

### AERONAUTICAL AND ASTRONAUTICAL ENGINEERING

Aeronautical Engineering Laboratory B

- Boeing SST Model
- Ram Jet
- Supersonic and Subsonic Wind Tunnels
- Plasma Jet
- Student Laboratory Experiments

### AGRICULTURAL ENGINEERING

Agricultural Engineering Building (Bus service is provided to the Agricultural Engineering Building. Consult an EOH Information Table or the Main Desk for details.)

- Waterless Sprayer
- Pilotless Tractor
- Analog Computer Applications in Agriculture
- Soil Bin for Tillage and Tractor Research
- Making Water Run Uphill
- Slowing Down Raindrops
- Concrete Wall Panel Transporter

### CERAMIC ENGINEERING

Ceramic Engineering Building

- Application of Glassy Coatings to Substrates
- Properties of Modern Ceramic Materials
- Ceramics and Temperature
- Ceramographic Exhibit

### CHEMICAL ENGINEERING

East Chemistry Building

- Continuous Stirred Tank Reactor
- Glass Absorption Tower — "Chem Pop"
- Fluidized Bed Regenerator
- Process Control Laboratory
- Student Laboratory Projects

### CIVIL ENGINEERING

Civil Engineering Building

- Building and Bridge Design
- Materials for Construction
- Computer Applications in Engineering
- Transportation Systems
- Water and Air Pollution Control
- Water Conservation and Use
- Photogrammetric and Geodetic Engineering
- Building in the Ocean
- Soil and Rock Mechanics

### COMPUTER SCIENCE

Digital Computer Laboratory

- IBM System/360 Computer
- Data Processing and Service
- Hybrid Digital-Analog Circuit Applications
- Cathode Ray Tube and Computer

### ELECTRICAL ENGINEERING

Electrical Engineering Building

- Plasma Torch
- Laser and Radar
- Computer and Applications
- Halography — Three-Dimensional Photography
- Tours of Student Laboratories

### GENERAL ENGINEERING

Transportation Building

- Engineering Graphics — Manual and Computer
- Engineering in History
- Legal Aspects of Engineering
- Design Problems in Industry
- The Student Engineer and His Work
- Senior Design Projects



## MECHANICAL AND INDUSTRIAL ENGINEERING

### Mechanical Engineering Building

- Internal Combustion Engine — Laboratory Operation
- Analog Computer Applications in Engineering Research
- PLATO
- Pi Tau Sigma Exhibit

### Mechanical Engineering Laboratory

- Heat Transfer Research Laboratory
- Water Table
- Power Equipment and Instrumentation
- Foundry and Metals Formation

## MINING, METALLURGY, AND PETROLEUM ENGINEERING

### Metallurgy and Mining Building

- X-Ray Analysis Studies of Metals
- Corrosion
- Zone Refinery of Metals
- Metallography
- Mechanical Metallurgy
- Nucleation During Solidification

## PHYSICS

### Physics Building

- Microwave Interference and Diffraction
- Halograms
- Magnetism and Motion
- Laser Demonstration
- Spark Chambers

## THEORETICAL AND APPLIED MECHANICS

### Talbot Laboratory

- Fluid Mechanics (Student Laboratories)
- Buckling, Tension, and Compression
- Plastic Strain Experiment
- Advanced Mechanics of Materials Research Facilities

## E.O.H. CENTRAL COMMITTEE

Faculty Advisor — Professor Richard Wright  
General Chairman — Vivian Brosey  
Department Coordinators — Todd Steinke  
and John Urbance  
Graphic Arts Chairman — John Hughes  
High School Visitation Chairman —  
Elizabeth Koranyi

Publicity Coordinators — Linda Scott and  
Diane Wimmer  
SITE Coordinator — David Houser  
Space and Safety Chairman —  
Walter Dennhardt  
Assistant Space and Safety Chairman —  
Eric Wildhagen